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Thermochemistry of the solvation of organic non-electrolytes

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Abstract

This review surveys experimental data on the thermochemistry of the solvation of organic non-electrolytes. An analysis of the enthalpy of solvation as the sum of the enthalpies of non-specific solvation and of specific interaction is presented. The various methods for isolating the contribution of the enthalpies of the complex formation reactions between the solute and the solvent are examined. The role of the dipole moment of the solute molecule in solvation is analysed in detail. © 1991 IOP Publishing Ltd.

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